1/13

FIG. 1

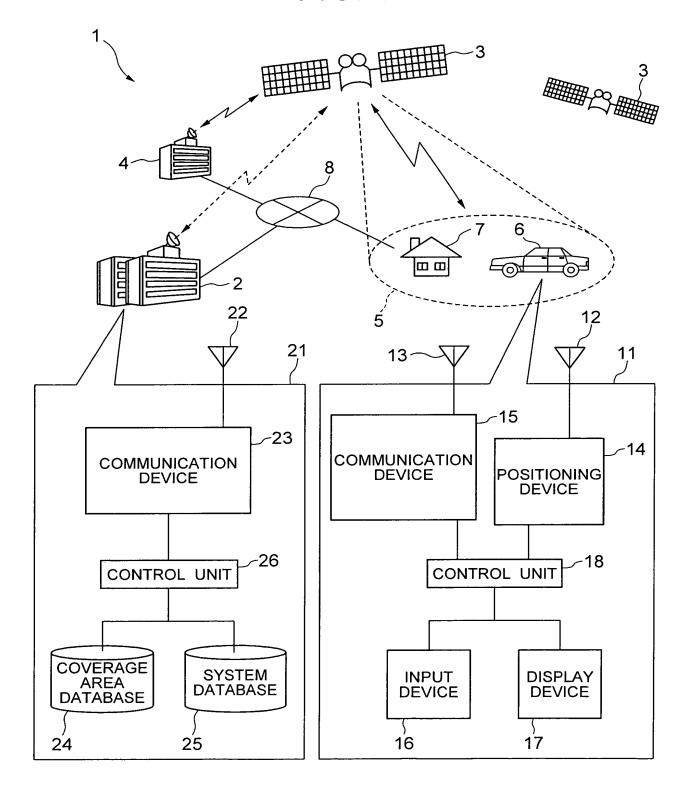


FIG. 2

VALUES	ဇ	24	APPROXIMATELY 42,164	LESS THAN 0.24	37° OR MORE TO 44° OR LESS	180° OR MORE TO 360° OR LESS	Ω1+240	ANGLE DELAYED ANGLE ADVANCED 3Y ONE THIRD OF BY ONE THIRD ORBITAL PERIOD OF ORBITAL FROM \$\theta\$1
	2						Ω1+120	ANGLE DELAYED BY ONE THIRD OF ORBITAL PERIOD FROM θ 1
	_						Ω1	θ1
ITEMS	SATELLITE NUMBER	ORBITAL PERIOD (HOURS)	SEMIMAJOR AXIS (km)	ECCENTRICITY	ORBITAL INCLINATION ANGLE (DEGREES)	ARGUMENT OF PERIGEE (DEGREES)	RIGHT ASCENSION OF ASCENDING NODE (DEGREES)	TRUE ANOMALY (DEGREES)

FIG. 3

VALUES	3	24	APPROXIMATELY 42,164	0.24 OR MORE TO 0.35 OR LESS	MORE THAN 40° TO 44° OR LESS	180° OR MORE TO 360° OR LESS	Ω1+240	ANGLE DELAYED ANGLE ADVANCED 3Y ONE THIRD OF BY ONE THIRD ORBITAL PERIOD OF ORBITAL FROM \$1
	2						Ω1+120	ANGLE DELAYED BY ONE THIRD OF ORBITAL PERIOD FROM #1
	_						Ω1	θ1
ITEMS	SATELLITE NUMBER	ORBITAL PERIOD (HOURS)	SEMIMAJOR AXIS (km)	ECCENTRICITY	ORBITAL INCLINATION ANGLE (DEGREES)	ARGUMENT OF PERIGEE (DEGREES)	RIGHT ASCENSION OF ASCENDING NODE (DEGREES)	TRUE ANOMALY (DEGREES)

FIG. 4

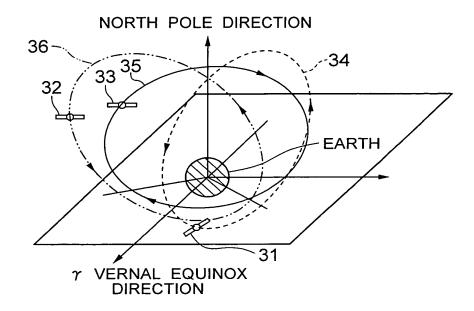
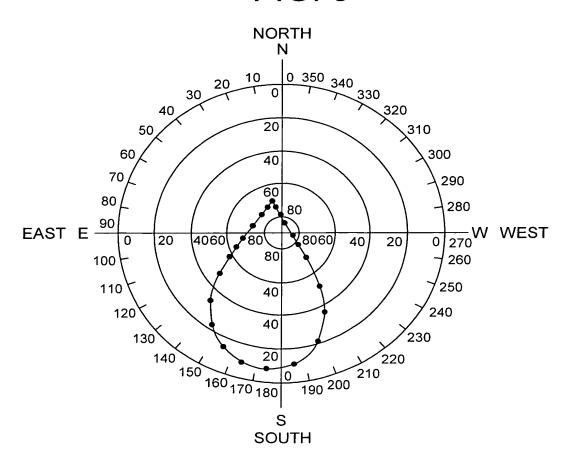


FIG. 5



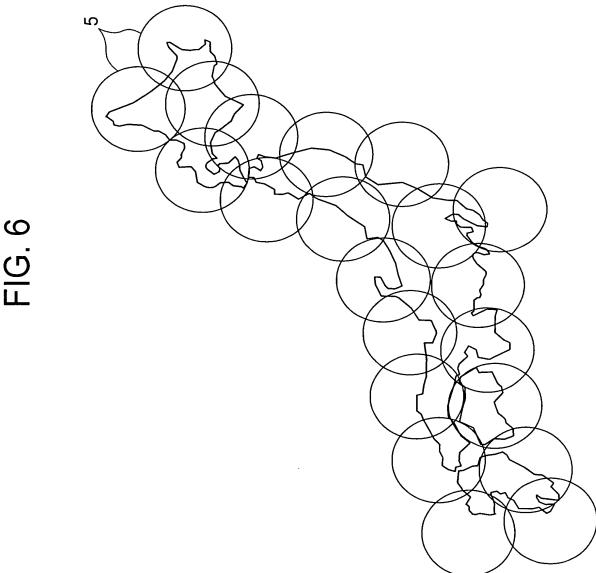


FIG. 7

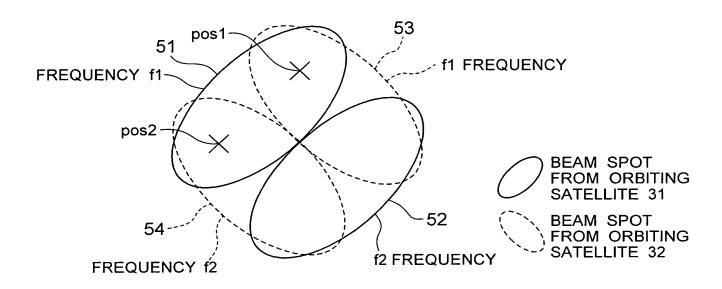


FIG. 8 85 81 82 83 84 LONGITUDE LATITUDE OF **BEAM BEAM** BEAM OF BEAM **BEAM** NUMBER NAME **RADIUS CENTER CENTER** NOO° OO' EOO° OO′ #1 **KANTO** N km E00° 00′ NOO° 00' #2 **KINKI** N km EOO° OO′ NOO° 00' N km #3 **KYUSHU** NOO° 00' E00° 00′ N km #M **OGASAWARA**

FIG. 9

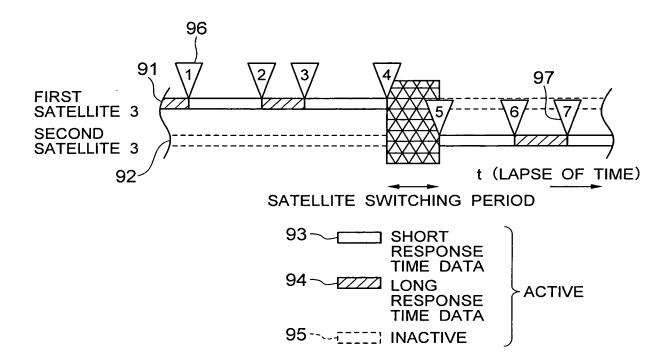
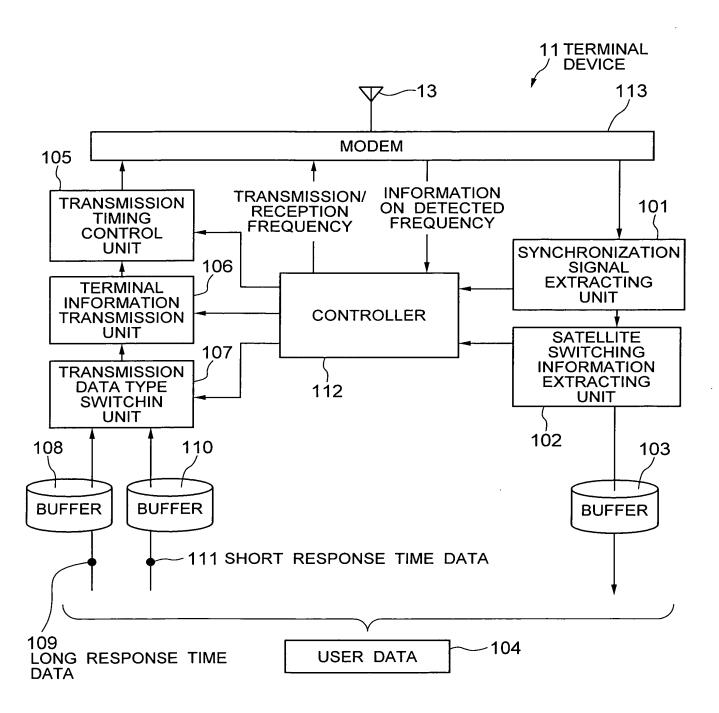


FIG. 10



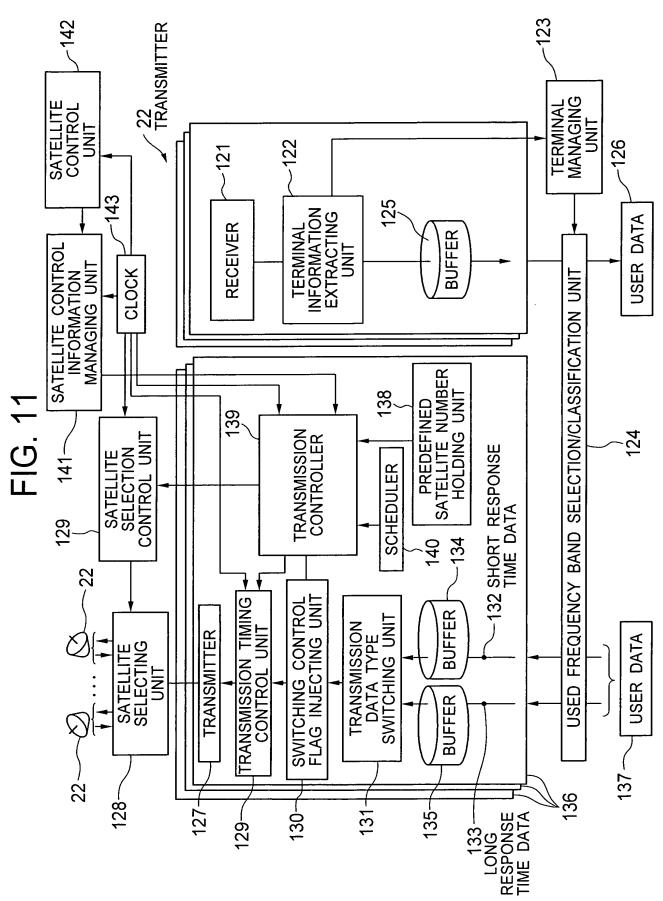


FIG. 12

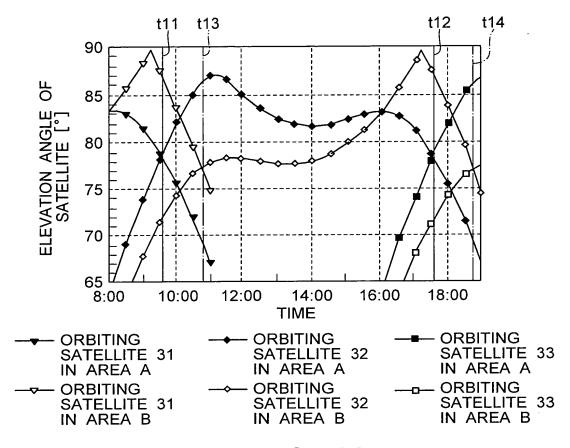


FIG. 13

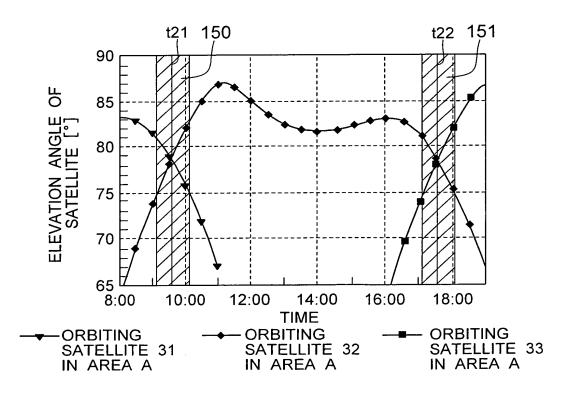
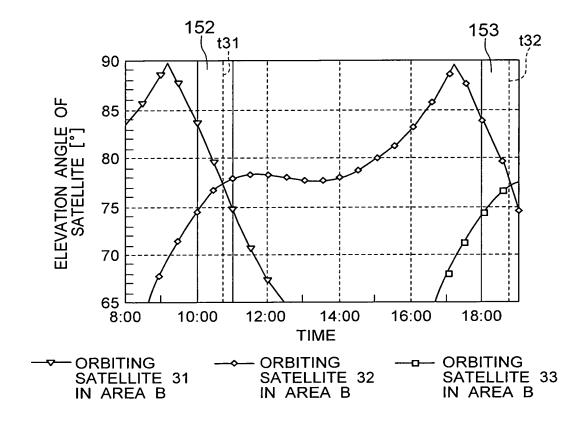


FIG. 14



12/13 FIG. 15 START S₁ SATELLITE S2 NO SWITCHING TIME ZONE ? CONTINUE COMMUNICATION YES **S3** IS COMMUNICATION **S4** NO CONTINUING BEFORE SATELLITE SWITCHING TIME ZONE ? CONTINUE COMMUNICATION YES **S5** HAS SATELLITE NO SWITCHING TIME ZONE EXPIRED ? **S6** SATELLITE YES SWITCHING REQUEST **S7** YES RECEIVED FROM TERMINAL DEVICE 11 ? **TRANSMIT S11** SATELLITE **∮** NO **SWITCHING S12** CONTINUE COMMUNICATION INFORMATION TO TERMINAL COMMUNICATION **DEVICE 11** (A)CONTINUATION YES REQUEST RECEIVED FROM TERMINAL S8 DEVICE 11 ? S13 INTERRUPT **DOES** COMMUNICATION CONTINUED NO COMMUNICATION **S14** YES CAUSE PROBLEM ON SYSTEM OR IS COMMUNICATION **S9** CONTINUATION TRANSMIT SATELLITE REQUEST **SWITCHING** CANCELED ? INFORMATION TO **RECEIVE** RESPONSE TO TERMINAL DEVICE 11 SATELLITE NO **SWITCHING** S17 -INTERRUPT NOTIFY TERMINAL INFORMATION COMMUNICATION S18 DEVICE 11 OF RECEPTION FROM TERMINAL OF COMMUNICATION **DEVICE 11** CONTINUATION REQUEST RECEIVE RESPONSE TO SATELLITE SWITCHING INFORMATION FROM CONTINUE **S15** TERMINAL DEVICE 11 COMMUNICATION **S16** SWITCH ORBITING SWITCH ORBITING SATELLITE 3 SATELLITE 3 AND RESUME AND RESUME COMMUNICATION COMMUNICATION S19 RETURN S10

